***Fig. 1***

| HIGH-LEVEL COMPARISON H.323 AND SIP | | |
|---|---|---|
| FUNCTIONALITY | H.323 | SIP |
| THIRD PARTY CALL CONTROL | YES | NO |
| CAPABILITY EXCHANGE | YES & BETTER | YES |
| ADMISSION CONTROL | YES | NO |
| POLICY CONTROL | YES | NO |
| RESOURCE RESERVATION | YES | NO |
| COMPLEXITY | MORE | LESS |
| EXTENSIBILITY OF RESERVATION | VENDOR SPECIFIED | YES, IANA |
| EASE OF CUSTOMIZATION | HARDER | EASIER |
| VERSION COMPATIBILITY | YES | UNKNOWN |
| PSTN SIGNALING INTERPRETABILITY | BETTER | WORSE |
| PROTOCOL ENCODING | BINARY | TEXT |

***Fig. 2***

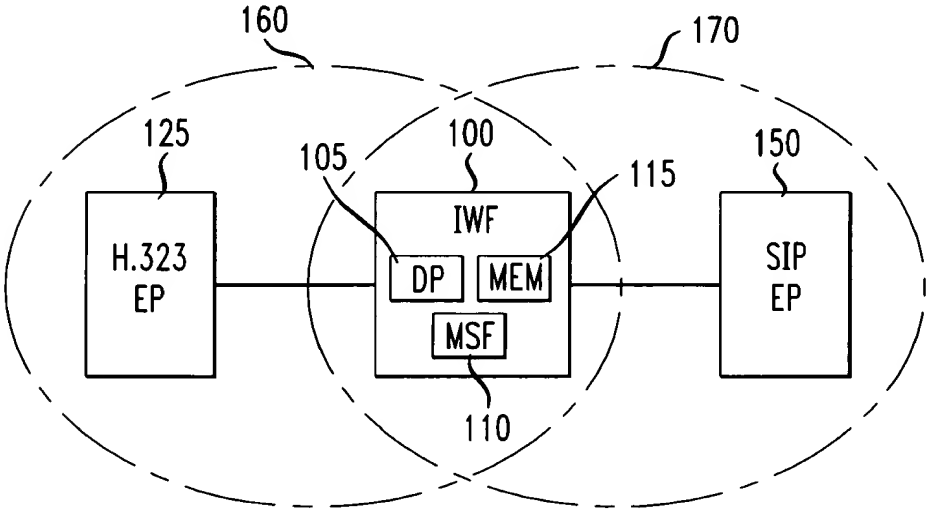


*Fig. 3*

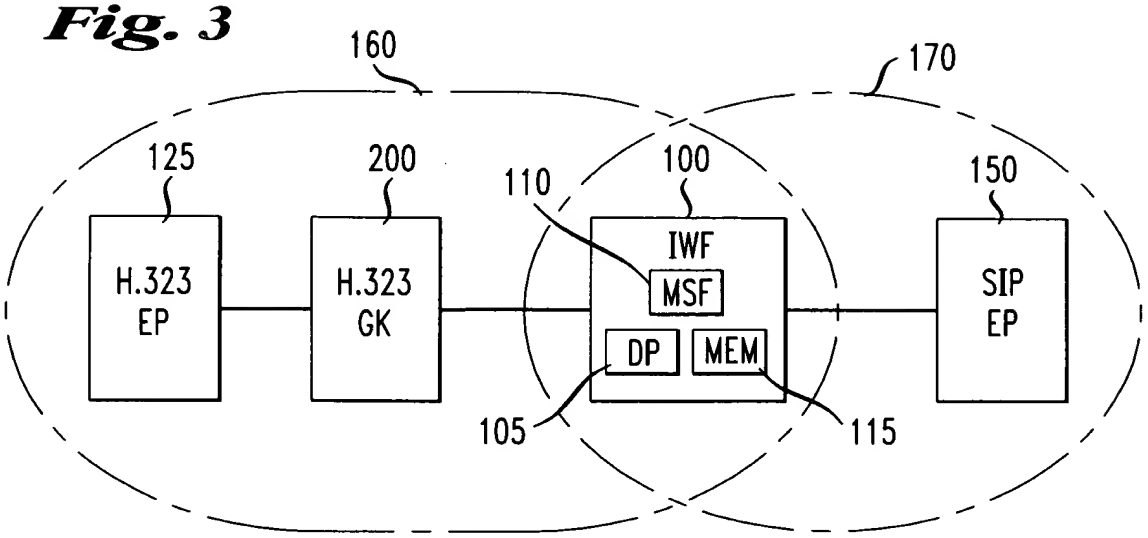
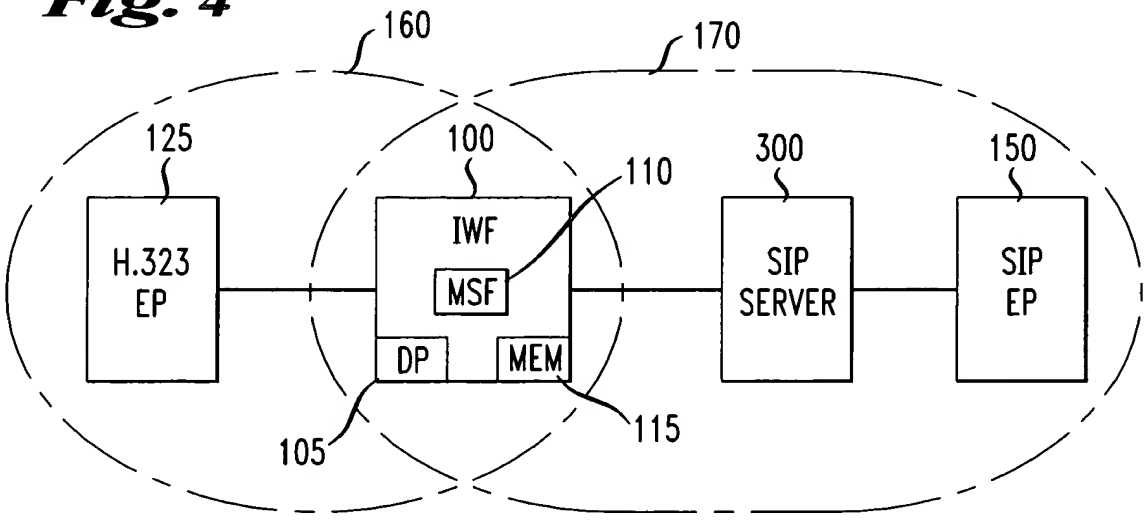

160
170
125
200
110
100
150
H.323
EP
H.323
GK
IWF
MSF
DP
MEM
SIP
EP
105
115

*Fig. 4*


160
170
125
100
110
300
150
H.323
EP
IWF
MSF
DP
MEM
SIP
SERVER
SIP
EP
105
115

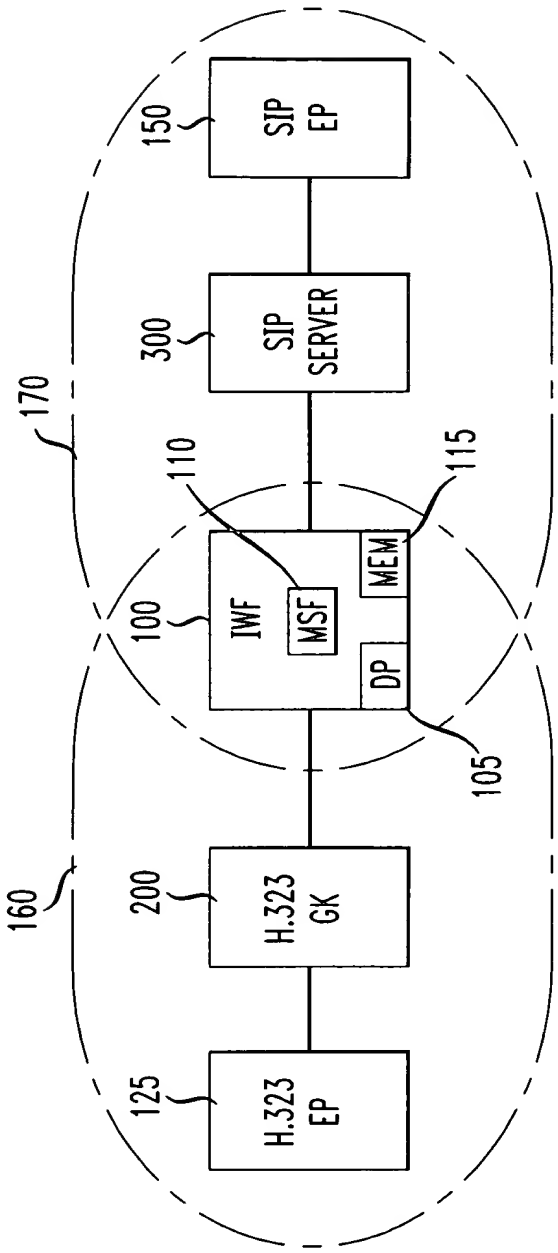

150
SIP EP
300
SIP SERVER
170
110
115
100
IWF
MSF
MEM
DP
105
160
200
H.323 GK
125
H.323 EP

Fig. 5

***Fig. 6***

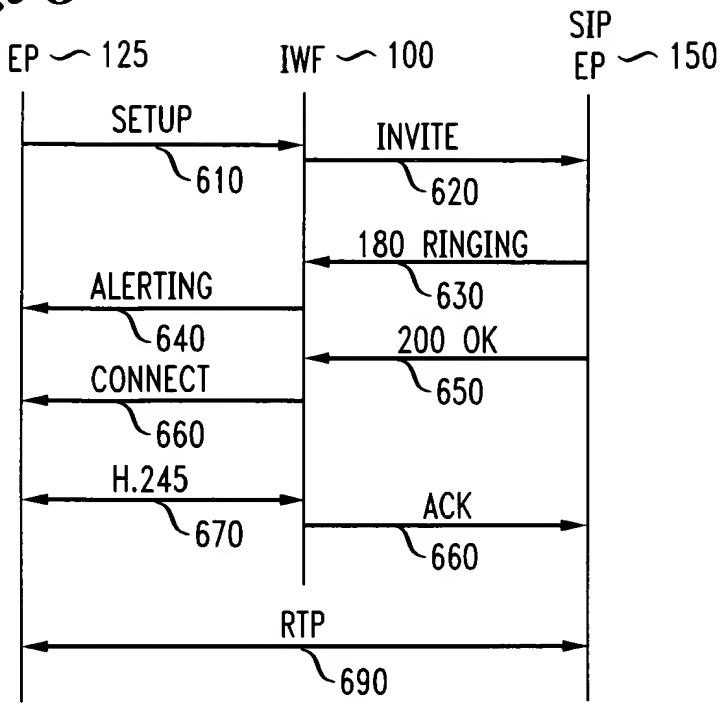
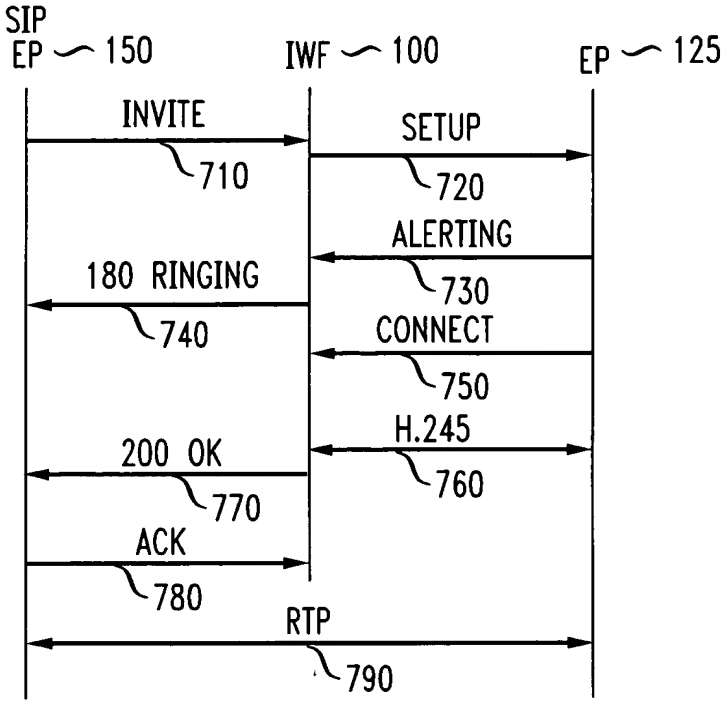

EP 125
IWF 100
SIP EP 150
SETUP
610
INVITE
620
180 RINGING
630
ALERTING
640
200 OK
650
CONNECT
660
H.245
670
ACK
660
RTP
690

***Fig. 7***


SIP EP 150
IWF 100
EP 125
INVITE
710
SETUP
720
ALERTING
730
180 RINGING
740
CONNECT
750
H.245
760
200 OK
770
ACK
780
RTP
790